

"Soft-x-ray photon-in and photon-out spectroscopy: New Frontiers"

Jinghua Guo and M. Zahid Hasan

Invited speakers:

Friday: 1:30 –5:00 pm

1:30 - 3:00 pm

(30) Laurent Duda (Uppsala University): "Fundamental and applied RIXS studies of transition metal oxides"

(30) Stefan Eisebitt (BESSY): "Photon-in Photon-out: Resonant Soft X-ray Scattering from Liquids to Magnetic Nanostructures"

(30) Clemens Heske (University of Nevada, Las Vegas): "Soft X-ray spectroscopy of liquids and liquid-solid interfaces"

3:20 - 5:00 pm

(30) Richard J. Saykally (UC Berkeley/LBNL): "X-ray Spectroscopy of Volatile Liquids and their Surfaces"

(20) Philippe Wernet (BESSY): "Towards bonding, structure and dynamics in molecular systems – A study of water from ambient to supercritical conditions with x-ray spectroscopy"

(30) Anders Nilsson (SSRL): "The Structure of the Hydrogen Bonding Network of Water in Aqueous Solutions"

(20) Emad Aziz (BESSY): "Ion-ion interaction in electrolyte solutions: Solvent and pH effects"

Saturday: 8:30 - 10:00 am

(30) Akio Kotani (RIKEN/Spring-8/Photon Factory): "Theoretical and Experimental Investigations of Cu K_α Resonant X-ray Emission Spectra for

La₂CuO₄ ---- An Ultra-fine Probe for the Pre-edge Structure of Cu 1s Electron Excitation"

(30) Robert Markiewicz (Northeastern University): "Consistent Picture of Magnetic Gap Collapse in Nd_{2-x}Ce_xCuO₄ (NCCO), Comparing ARPES and Resonant Inelastic X-ray Scattering (RIXS) Spectra"

(30) Arun Bansil (Northeastern University): "Probing Magnetic Gap Collapse within a Three-band Model of Resonant inelastic x-ray scattering (RIXS) in the Cuprates"

10:20 am - 12:00 pm

(30) Alex Moewes (University of Saskatchewan): "Soft X-ray spectroscopy with synchrotron radiation as a powerful tool for materials research"

(30) Simon George (LBNL): "TBA"

(20) Per-Anders Glans (Boston University): "TBA"

(20) Amanda C Hudson (University of Nevada, Las Vegas): "X-ray Emission Spectroscopy at the Cl K-edge"

1:30 - 3:00 pm

(30) Jessica Thomas (NSLS): "TBA"

(30) Chuck Fadley (UC Davis/LBNL): "Probing buried solid-solid and solid-liquid interfaces with standing-wave-excited soft x-ray emission and resonant inelastic scattering"

(30) Jonathan Denlinger (ALS, LBNL): "X-ray Spectroscopy of InN heavily irradiated with He⁺"

3:30 - 5:20 pm

(30) Giacomo Ghiringhelli (Politecnico di Milano): "Soft x-ray RIXS at the ESRF: resolving the crystal field excitations in strongly correlated electron systems"

(30) Tony van Buuren (LLNL): "Quantitative Interrogation of Nanostructures using Soft-x-ray Spectroscopy"

(30) Sergei Butorin (Uppsala University): “Resonant inelastic soft x-ray scattering studies of actinide systems”

(20) Thorsten Schmitt (Swiss Light Source): “The ADRESS project at the Swiss Light Source: A beamline for RIXS studies on novel nano-structured and correlated materials”